

MINING APPLICATION  
NO. 43-047-005  
Date \_\_\_\_\_



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided  
they contain the same information)

P & E ENTERPRISES, Lease Holder

1. Name of Applicant or Company CARPENTER MINING COMPANY, Contract Miner
2. Proposed type of operation Shaft mining (vertical) of Gilsonite
3. (a) Prior Land Use(s) None (desert)  
(b) Current Land Use(s) None  
(c) Possible or Prospective Future Land Use(s) None
4. What vegetation exists on the land proposed to be affected Scrub  
sage brush and other sparse desert vegetation.  
(a) Types and Estimated Percent cover or density: Total vegetation  
covers very small percentage of land, no plants higher than 2 feet.
5. What is the range pH of soil before mining? \_\_\_\_\_ pH  
Name of Person or Agency and method of determining pH \_\_\_\_\_
6. Site elevation above sea level Approximately 5,000 feet
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) Gilsonite vein varies from 6" to 3FT.
8. Estimated duration of mining operations 10 years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? ( ) Yes (X) No  
Does the above material being moved have any other characteristics affecting revegetation? No
10. Will any underground workings or aquifers be encountered? ( ) Yes (X) No  
Describe \_\_\_\_\_  
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? ( ) Yes (X) No If yes, describe the quality of water being discharged. \_\_\_\_\_

11. Describe specifically a detailed procedure for:

- (a) The mining sequence
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
- (c) The procedure for site preparation including removing trees and brush.
- (d) The method for removing and stockpiling topsoil or disturbed materials.
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
- (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

None required

Describe method for the testing of soil that is intended to support vegetation

Not disturbed

2. Describe any soil treatment employed as an aid to revegetation

None

3. Describe surface preparation of areas intended to support vegetation:

Not applicable

REVEGETATION

1. Revegetation to be completed by:

- |                                |  |
|--------------------------------|--|
| ( ) Operator                   | ( ) Hydroseeding                       |
| ( ) Soil Conservation District | ( ) Aerial Seeding                     |
| ( ) Private Contractor         | ( ) Conventional or Rangeland Drilling |
| Name _____                     | ( ) Other (specify) _____              |
| ( ) Other (specify) _____      |  |

2. Will Mulch be used?

Type \_\_\_\_\_ Rate/Acre \_\_\_\_\_ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted

4. Will affected area be subject to livestock or wildlife grazing? ( ) Yes  
( ) No Will vegetation protection be needed? \_\_\_\_\_

All I have ever seen in the area is lizards and two  
rabbits.

5. Will irrigation be used? ( ) Yes (X) No Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety  
release is granted. Not applicable

I, the undersigned Operator, hereby submit this to be my  
Reclamation and Mining Plan for the area shown on the attached map. I  
further understand that the operation will be conducted in accordance  
with the Mined Land Reclamation Act of 1975, and all rules and regulations  
currently in effect thereunder.

Signed George Cargenter Operator Date 2-29-76

Taken, subscribed and sworn to before me the undersigned authority  
in my said county, this 29th day of February, 19 76.

Notary Public

Donald L. Barber  
Cedar City, Utah

My Commission Expires: 11-2-76